

In the Claims:

Please cancel claims 1-111.

Please add the following new claims 112-127.

112. An isolated or purified polynucleotide comprising:

- (a) a polynucleotide encoding a polypeptide comprising SEQ ID NO: 15;
- (b) a polynucleotide comprising SEQ ID NO: 14;
- (c) a polynucleotide encoding the polypeptide expressed by the DNA contained in deposit NCIMB 41007; or
- (d) a polynucleotide that has more than 98% identity to the polynucleotide of (a), (b), or (c), and which encodes a biologically active murine phosphodiesterase.

113. The polynucleotide of claim 112, wherein said polynucleotide encodes a polypeptide comprising SEQ ID NO: 15.

114. The polynucleotide of claim 113, wherein said polynucleotide comprises SEQ ID NO: 14.

115. The polynucleotide of claim 112, wherein said polynucleotide encodes a phosphodiesterase polypeptide expressed by the DNA contained in deposit NCIMB 41007.

116. A vector comprising a polynucleotide of claim 112.

117. The vector of claim 116, wherein said polynucleotide encodes a polypeptide comprising SEQ ID NO: 15.

118. The vector of claim 117, wherein said polynucleotide comprises SEQ ID NO: 14.

119. The vector of claim 116, wherein said polynucleotide encodes a polypeptide expressed by the DNA contained in deposit NCIMB 41007.

120. A host cell transformed or transfected with the polynucleotide of claim 112, wherein said host cell expresses said polynucleotide under conditions sufficient for expression.

121. The host cell of claim 120, wherein said polynucleotide encodes a polypeptide comprising SEQ ID NO: 15.

122. The host cell of claim 121, wherein said polynucleotide comprises SEQ ID NO: 14.

123. The host cell of claim 120, wherein said polynucleotide encodes a phosphodiesterase polypeptide expressed by the DNA contained in deposit NCIMB 41007.

124. A process for producing a polypeptide encoded by the polynucleotide of claim 112 comprising culturing the transformed/transfected host cell of claim 120 under conditions sufficient for expression.

125. The process of claim 124, wherein said polynucleotide encodes a polypeptide comprising SEQ ID NO: 15.

126. The process of claim 125, wherein said polynucleotide comprises SEQ ID NO: 14.

127. The process of claim 124, wherein said polynucleotide encodes a phosphodiesterase polypeptide expressed by the DNA contained in deposit NCIMB 41007.